

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (cancelled)

Claim 2 (previously presented): The filtration cassette of claim 12, wherein said sealing resin extends along perimetrical edges and said plurality of longitudinal opposed feed apertures and said plurality of longitudinal opposed retentate apertures and said filtrate screen.

Claim 3 (cancelled)

Claim 4 (previously presented): The filtration cassette of claim 12, wherein said filtrate screen defines apertures shaped so as to positively direct the resin during drawing to a desired location in the flow channels.

Claim 5 (cancelled)

Claim 6 (previously presented): The filtration cassette of claim 12, wherein said

feed/retentate apertures are shaped to be symmetrical only about the longitudinal axis of said filtrate screen.

Claim 7 (previously presented): The filtration cassette of claim 12, wherein said plurality of longitudinal-opposed feed apertures and said plurality of longitudinal retentate apertures are shaped to be symmetrical only about the longitudinal axis of said feed/retentate screen.

Claims 8-9 (cancelled)

Claim 10 (previously presented): The filtration cassette of claim 12, wherein said feed/retentate apertures are shaped to be asymmetrical.

Claim 11 (previously presented): The filtration cassette of claim 12, wherein said plurality of longitudinal-opposed feed apertures and said plurality of longitudinal retentate apertures are shaped to be asymmetrical.

Claim 12 (currently amended): A filtration cassette comprising:

- a housing surrounding an assembly;

- wherein the assembly includes a first impermeable film and a second impermeable film;

- a first retentate subassembly and a second subassembly are disposed in between

the first impermeable film and the second impermeable film;

a filtrate screen disposed in between the first retenate subassembly and the second subassembly, wherein the filtrate screen includes a filtrate passageway extending between a plurality of first apertures and a plurality of second apertures;

the filtrate screen includes a plurality of longitudinal-opposed feed apertures and a plurality of longitudinal-opposed retenate apertures, wherein the plurality of longitudinal-opposed feed apertures and the plurality of longitudinal retenate apertures are bound by a plurality of aperture seals; and

wherein the plurality of longitudinal-opposed feed apertures and the plurality of longitudinal retenate apertures include a flowable sealing resin that is drawn into the filtrate screen, wherein said sealing resin extends into the filtration passageways, wherein the plurality of longitudinal-opposed feed apertures and the plurality of longitudinal-opposed retenate apertures are bounded by the plurality of aperture seals that extend into the filtration passageways to define a plurality of filtrate channels that have a uniform flow without dead spots near the plurality of aperture seals ~~to the plurality of aperture seals so as to eliminate the formation of non-uniformities in fluid flow therethrough.~~